

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1-227. (Canceled)

228. (Previously Presented) A system for holding an organ during perfusion, storage and transport of the organ, comprising:

a portable housing for holding the organ;

an organ perfusion apparatus adapted to receive the portable housing; and

a transporter adapted to receive the portable housing, the transporter being a portable organ perfusion apparatus,

wherein the organ perfusion apparatus and the transporter are separate units and the portable housing is configured (1) to hold the organ independently from either of the organ perfusion apparatus or the transporter, (2) to be received by the transporter for transport of the organ, (3) to be separately received by the organ perfusion apparatus for perfusion of the organ, and (4) to allow perfusion, storage, and transport of the organ without removal of the organ from the portable housing.

229. (Previously Presented) The system of claim 228, further comprising an organ diagnostic device adapted to receive the portable housing, wherein the portable housing is further configured to be received by the organ diagnostic device and to allow diagnosis of the organ without removal of the organ from the portable housing.

230. (Currently Amended) The system of claim 228, wherein the portable housing includes tubing and connection devices to allow connection of ~~an~~ the organ in the portable housing to tubing of at least one of the transporter and the organ perfusion apparatus.

231. (Previously Presented) The system of claim 228, wherein the portable housing includes a handle.

232. (Previously Presented) The system of claim 228, wherein the portable housing is made of a transparent material.

233. (Previously Presented) A method of perfusion, storage and transport of an organ, comprising:

placing the organ in a portable housing;

placing the portable housing containing the organ in an organ perfusion apparatus and perfusing the organ in said portable housing in said organ perfusion apparatus without removal of the organ from the portable housing; and

placing the portable housing containing the organ in a transporter and transporting the organ in said portable housing in said transporter without removal of the organ from the portable housing, the transporter being a portable organ perfusion apparatus,

wherein the organ perfusion apparatus and the transporter are separate units and the portable housing is configured (1) to hold the organ independently from either of the organ perfusion apparatus or the transporter, (2) to be received by the transporter for transport of the organ, and (3) to be separately received by the organ perfusion apparatus for perfusion of the organ, and (4) to allow perfusion, storage, and transport of the organ without removal of the organ from the portable housing.

234. (Previously Presented) The method of claim 233, further comprising placing the portable housing containing the organ in an organ diagnostic device and performing diagnosis of the organ in said portable housing in said organ diagnostic device without removal of the organ from the portable housing;

wherein the organ diagnostic device is a separate device from the organ perfusion apparatus and the transporter and the portable housing is further configured (1) to be separately received by the organ diagnostic device for diagnosis of the organ, and (2) to allow diagnosis of the organ without removal of the organ from the portable housing.

235. (Previously Presented) The method of claim 233, wherein the portable housing includes connecting tubing and connection devices to allow connection of an organ in the portable housing to tubing of at least one of the transporter and the organ perfusion apparatus.

236-243. (Canceled)

244. (Previously Presented) The system of claim 228, wherein at least a portion of the portable housing includes transferable data regarding at least one of the portable housing and the contents of the portable housing.

245. (Previously Presented) The system of claim 244, further comprising an organ diagnostic device adapted to receive the portable housing, wherein the organ diagnostic device is a separate device from the organ perfusion apparatus and the transporter and the portable housing is further configured (1) to be separately received by the organ diagnostic device for diagnosis of the organ and (2) to allow diagnosis of the organ without removal of the organ from the portable housing.

246. (Currently Amended) The system of claim 244, wherein the portable housing includes connecting tubing and connection devices to allow connection of ~~an~~the organ in the portable housing to tubing of at least one of the transporter and the organ perfusion apparatus.

247. (Previously Presented) The system of claim 244, wherein the portable housing includes a handle.

248. (Previously Presented) The system of claim 244, wherein the transferable data is in the form of at least one of a bar code, magnetic tag, radio frequency tag, transmitter and global positioning system.

249. (Previously Presented) The system of claim 244, wherein the portion of the housing includes transferable data regarding an organ which forms at least part of the contents of the housing.

250. (Previously Presented) The system of claim 244, wherein the data includes information about at least one of an organ in the housing and a location of the housing.

251. (Previously Presented) The system of claim 250, wherein the information about the organ is at least one of an identity of the organ, perfusion information about the organ, and vascular resistance of the organ.

252. (Previously Presented) The system of claim 250, wherein the information about the organ includes information about at least one of an organ donor and an organ recipient.

253. (Previously Presented) The system of claim 248, wherein at least one of the organ perfusion device, the transporter and an organ diagnostic device is configured to receive the transferable data.

254. (Previously Presented) The system of claim 244, wherein the portable housing further comprises an image recording apparatus to record at least one of a progress and status of the organ.

255. (Previously Presented) The system of claim 244, wherein a bottom portion of the housing is liquid-tight and configured to collect medical fluid that has passed through a perfused organ to form an organ bath.

256. (Previously Presented) A method of using the system of claim 228, comprising:

placing the organ in the portable housing;

placing the portable housing containing the organ in the organ perfusion apparatus and perfusing the organ in said portable housing in said organ perfusion apparatus without removal of the organ from the portable housing;

placing the portable housing containing the organ in the transporter and transporting the organ in said portable housing in said transporter without removal of the organ from the portable housing; and

transferring data regarding at least one of said portable housing and the organ from at least a portion of said portable housing.

257. (Previously Presented) The method of claim 256, further comprising placing the portable housing containing the organ in an organ diagnostic device and performing diagnosis of the organ in said portable housing in said organ diagnostic device without removal of the organ from the portable housing;

wherein the organ diagnostic device is a separate device from the organ perfusion apparatus and the transporter and the portable housing is further configured (1) to be separately received by the organ diagnostic device for diagnosis of the organ, and (2) to allow diagnosis of the organ without removal of the organ from the portable housing.

258. (Previously Presented) The method of claim 256, further comprising connecting tubing and connection devices of the portable housing to the organ, to allow connection of the organ in the portable housing to tubing of at least one of the transporter and the organ perfusion apparatus.

259. (Previously Presented) The method of claim 256, wherein the data to be transferred is in the form of at least one of a bar code, magnetic tag, radio frequency tag, transmitter and global positioning system.

260. (Previously Presented) The method of claim 256, wherein the portion of the housing includes the data to be transferred regarding an organ which forms at least part of the contents of the housing.

261. (Previously Presented) The method of claim 259, wherein the data to be transferred includes information about at least one of an organ in the housing and a location of the housing.

262. (Previously Presented) The method of claim 261, wherein the information about the organ is at least one of an identity of the organ, perfusion information about the organ, and vascular resistance of the organ.

263. (Previously Presented) The method of claim 261, wherein the information about the organ includes information about at least one of an organ donor and an organ recipient.

264. (Previously Presented) The method of claim 259, comprising transferring the data wirelessly to a remote location for at least one of managing, tracking, monitoring, and diagnosing the organ.

265. (Currently Amended) The method of claim 259, comprising transferring the data to at least one of the organ perfusion device, the transporter and an organ diagnostic device.

266. (Currently Amended) The method of claim 265, further comprising transferring the data from at least one of said organ perfusion device, said organ diagnostic device and the transporter to a computer network.

267. (Previously Presented) The method of claim 266, wherein the computer network at least one of manages, tracks, monitors, and diagnoses the organ.

268. (Previously Presented) The method of claim 266, further comprising at least one of displaying, accessing, and uploading the data from the computer network.

269. (Previously Presented) The method of claim 267, wherein the computer network is at least one of a local area network, and the World Wide Web.

270. (Previously Presented) The method of claim 265, further comprising transferring the data wirelessly to a remote location for at least one of managing, tracking, monitoring, and diagnosing the organ.

271. (Previously Presented) The method of claim 256, further comprising recording at least one of a progress and status of the organ with an image recording apparatus.

272. (Canceled)

273. (Canceled)

274. (Previously Presented) The system of claim 228, wherein the organ perfusion apparatus includes a diagnostic device.

275. (Previously Presented) The system of claim 233, wherein the organ perfusion apparatus includes a diagnostic device.

276. (Previously Presented) The system of claim 228, further comprising an organ fitting, wherein the organ fitting is configured (1) to at least one of adapt to or hold the organ independently and be removable from any of the organ perfusion apparatus, the transporter or the portable housing, and (2) to be received by the portable housing.

277. (Previously Presented) The system of claim 276, further comprising tubing configured to perfuse the organ and adjustably connect to the organ fitting and the portable housing.

278. ((Previously Presented) The method of claim 233, further comprising placing the organ in an organ fitting inside the portable housing, wherein the organ fitting is configured (1) to at least one of adapt to or hold the organ independently and be removable from any of the organ perfusion apparatus, the transporter and the portable housing, and (2) to be received by the portable housing.

279. (Previously Presented) The method of claim 278, further comprising adjustably connecting a tubing configured to perfuse the organ to the organ fitting and the portable housing.

280. (Previously Presented) The system of claim 228, wherein the transporter is interfaced to a computer network.

281. (Previously Presented) The method of claim 233, wherein the transporter is interfaced to a computer network.

282. (New) The system of claim 228, wherein the portable housing includes at least one of tubing and a connection device to allow connection of the organ in the portable housing to tubing of at least one of the transporter and the organ perfusion apparatus.

283. (New) The system of claim 282, wherein the portable housing and at least one of the tubing and the connection device are included in a sterilized disposable package.

284. (New) The method of claim 233, wherein the portable housing includes at least one of tubing and connection device to allow connection of the organ in the portable housing to tubing of at least one of the transporter and the organ perfusion apparatus.

285. (New) The method of claim 284, wherein the portable housing and at least one of the tubing and the connection device are included in a sterilized disposable package.

286. (New) A system for holding an organ during perfusion, storage and transport of the organ, comprising:

an organ cassette for holding the organ, the organ cassette including an organ supporting surface that supports the organ;

a transporter having a compartment structured to receive and support the organ cassette, the transporter being a portable organ perfusion apparatus,

wherein the organ cassette is configured (1) to hold the organ independently from the transporter, (2) to be received by the transporter for transport of the organ, (3) to be

removed from the transporter without removal of the organ from the organ cassette, and (4) to allow perfusion, storage, and transport of the organ without removal of the organ from the organ cassette.

287. (New) The system according to claim 286, wherein the organ supporting surface is structured to allow fluids to pass therethrough.

288. (New) The system according to claim 286, wherein the organ cassette is transparent.

289. (New) The system according to claim 286, wherein the organ supporting surface is a mesh material.

290. (New) The system according to claim 286, wherein the organ cassette includes at least one of tubing and a connector to allow connection of the organ in the organ cassette to tubing of the transporter.

291. (New) The system according to claim 286, wherein the organ cassette is movable to and from the organ transporter by connecting and disconnecting the connector from the tubing of the organ transporter without opening the organ cassette.

292. (New) A sterilized disposable kit, comprising:
an organ cassette for independently holding the organ, the organ cassette including an organ supporting surface that supports the organ, the organ cassette being structured to be removably received by a portable organ perfusion apparatus; and

at least one of tubing and a connector to allow connection of the organ in the organ cassette to tubing of the portable organ perfusion apparatus.